

What is claimed is:

1. An electro-optical device having a substrate, a plurality of pixel electrodes provided in a pixel region of the substrate, a plurality of electro-optical elements, each
5 of the electro-optical elements being provided for one of the pixel electrodes, and a common electrode provided in common for the electro-optical elements, each of the electro-optical elements being driven by a voltage applied to corresponding one of the pixel electrodes and a voltage applied to the common electrode, the electro-optical device comprising:

10 a plurality of interconnects electrically connected with the pixel electrodes;
a conductive section electrically connected with the common electrode;
at least one common interconnect electrically connected with the interconnects,
a number of the common interconnect being less than a number of the interconnects;
and

15 a side interconnect which is provided in an end region separated from a region in which the pixel region is provided by a straight line passing outside the pixel region and is electrically connected with the conductive section.

2. The electro-optical device as defined in claim 1, wherein the at least one
20 common interconnect is formed in the end region.

3. An electro-optical device having a substrate, a plurality of pixel electrodes provided in a pixel region of the substrate, a plurality of electro-optical elements, each
25 of the electro-optical elements being provided for one of the pixel electrodes, and a common electrode provided in common for the electro-optical elements, each of the electro-optical elements being driven by a voltage applied to corresponding one of the pixel electrodes and a voltage applied to the common electrode, the electro-optical

device comprising:

a plurality of interconnects electrically connected with the pixel electrodes;

a conductive section electrically connected with the common electrode;

at least one common interconnect electrically connected with the interconnects
5 through first contact sections, a number of the common interconnect being less than a
number of the interconnects; and

a side interconnect electrically connected with the conductive section through a
second contact section,

wherein the second contact section is provided in an end region separated from a
10 region in which the pixel region is provided by a straight line passing outside the pixel
region.

4. The electro-optical device as defined in claim 3, wherein the first contact
sections are formed in the end region.

15 5. The electro-optical device as defined in claim 1, further comprising a plurality
of external terminals.

20 6. The electro-optical device as defined in claim 3, further comprising a plurality
of external terminals.

7. An electro-optical device having a substrate, a plurality of pixel electrodes
provided in a pixel region of the substrate, a plurality of electro-optical elements, each
25 of the electro-optical elements being provided for one of the pixel electrodes, and a
common electrode provided in common for the electro-optical elements, each of the
electro-optical elements being driven by a voltage applied to corresponding one of the

pixel electrodes and a voltage applied to the common electrode, the electro-optical device comprising:

- a plurality of interconnects electrically connected with the pixel electrodes;

- a conductive section electrically connected with the common electrode;

5 a plurality of external terminals provided in an end region separated from a region in which the pixel region is provided by a straight line passing outside the pixel region; and

10 a side interconnect which is formed in the end region in which the external terminals are provided and includes a first section and a second section, the first section extending from one of the external terminals in a direction toward the pixel region, and the second section being bent at the first section and extends in a width direction of the pixel region and electrically connected with the conductive section.

15 8. An electro-optical device having a substrate, a plurality of pixel electrodes provided in a pixel region of the substrate, a plurality of electro-optical elements, each of the electro-optical elements being provided for one of the pixel electrodes, and a common electrode provided in common for the electro-optical elements, each of the electro-optical elements being driven by a voltage applied to corresponding one of the pixel electrodes and a voltage applied to the common electrode, the electro-optical device comprising:

- a plurality of interconnects electrically connected with the pixel electrodes;

- a conductive section electrically connected with the common electrode;

- a plurality of external terminals; and

25 a side interconnect which includes a first section and a second section, the first section extending from one of the external terminals in a direction toward the pixel region, and the second section being bent at the first section and extends in a width direction of the pixel region and electrically connected with the conductive section,

wherein a contact section between the conductive section and the side interconnect is provided in an end region separated from a region in which the pixel region is provided by a straight line passing outside the pixel region.

5 9. An electronic instrument having the electro-optical device as defined in claim

1.

10. An electronic instrument having the electro-optical device as define in claim

3.

10 11. An electronic instrument having the electro-optical device as define in claim

7.

12. An electronic instrument having the electro-optical device as define in claim

15 8.

13. A method of manufacturing an electro-optical device, comprising:

forming a plurality of electro-optical elements in a pixel region of a substrate;

forming a plurality of pixel electrodes on the substrate for supplying electrical

20 energy to the electro-optical elements;

forming a common electrode on the substrate for supplying electrical energy to the electro-optical elements;

forming a plurality of interconnects on the substrate so as to be electrically connected with the pixel electrodes;

25 forming a conductive section on the substrate so as to be electrically connected with the common electrode;

forming at least one common interconnect on the substrate so as to be

electrically connected with the interconnects, a number of the at least one common interconnect being less than a number of the interconnects; and

forming a side interconnect in an end region of the substrate separated from a region in which the pixel region is provided by a straight line passing outside the pixel region so as to be electrically connected with the conductive section.

14. The method of manufacturing an electro-optical device as defined in claim 13, comprising forming the at least one common interconnect in the end region.

10 15. A method of manufacturing an electro-optical device, comprising:
forming a plurality of electro-optical elements in a pixel region of a substrate;
forming a plurality of pixel electrodes on the substrate for supplying electrical energy to the electro-optical elements;

forming a common electrode on the substrate for supplying electrical energy to
15 the electro-optical elements;

forming a plurality of interconnects on the substrate so as to be electrically connected with the pixel electrodes;

forming a conductive section on the substrate so as to be electrically connected with the common electrode;

20 forming at least one common interconnect on the substrate so as to be electrically connected with the interconnects through first contact sections, a number of the common interconnect being less than a number of the interconnects; and

forming a side interconnect on the substrate so as to be electrically connected with the conductive section through a second contact section,

25 wherein the second contact section is provided in an end region separated from a region in which the pixel region is provided by a straight line passing outside the pixel region.

16. The method of manufacturing an electro-optical device as defined in claim 15, comprising forming the at least one common interconnect in the end region.

5 17. A method of manufacturing an electro-optical device, comprising:
forming a plurality of electro-optical elements in a pixel region of a substrate;
forming a plurality of pixel electrodes on the substrate for supplying electrical energy to the electro-optical elements;

forming a common electrode on the substrate for supplying electrical energy to
10 the electro-optical elements;

forming a plurality of interconnects on the substrate so as to be electrically connected with the pixel electrodes;

forming a conductive section on the substrate so as to be electrically connected with the common electrode;

15 forming a plurality of external terminals in an end region of the substrate separated from a region in which the pixel region is provided by a straight line passing outside the pixel region; and

forming a side interconnect in the end region of the substrate in which the external terminals are provided and includes a first section and a second section, the
20 first section extending from one of the external terminals in a direction toward the pixel region, and the second section being bent at the first section and extends in a width direction of the pixel region and electrically connected with the conductive section.

18. A method of manufacturing an electro-optical device, comprising:
25 forming a plurality of electro-optical elements in a pixel region of a substrate;
forming a plurality of pixel electrodes on the substrate for supplying electrical energy to the electro-optical elements;

forming a common electrode on the substrate for supplying electrical energy to the electro-optical elements;

forming a plurality of interconnects on the substrate so as to be electrically connected with the pixel electrodes;

5 forming a conductive section on the substrate so as to be electrically connected with the common electrode;

forming a plurality of external terminals on the substrate; and

forming on the substrate a side interconnect which includes a first section and a second section, the first section extending from one of the external terminals in a
10 direction toward the pixel region, and the second section being bent at the first section and extends in a width direction of the pixel region and electrically connected with the conductive section,

wherein a contact section between the conductive section and the side interconnect is provided in an end region separated from a region in which the pixel
15 region is provided by a straight line passing outside the pixel region.